

Release notes for ENDF/B Development n-058\_Ce\_138  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=5831, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=5831, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      222 TO      390
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=5831, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=5831, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      222
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5831, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      392
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      663
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      677
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      707
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      727
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 735

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 741

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 24 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 24  
SECTION 3/ 24 NOT IN DIRECTORY RECORD NUMBER 750

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 756

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 41 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 41  
SECTION 3/ 41 NOT IN DIRECTORY RECORD NUMBER 765

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 771

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 785

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 799

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 54 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 54 | RECORD NUMBER | 813 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 55 | RECORD NUMBER | 826 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 56 | RECORD NUMBER | 839 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 57 | RECORD NUMBER | 852 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 58 | RECORD NUMBER | 865 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 59 | RECORD NUMBER | 878 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 60 | RECORD NUMBER | 891 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 61 | RECORD NUMBER | 904 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 62 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 62 | RECORD NUMBER | 917 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |     |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 63 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 63 | RECORD NUMBER | 930 |
| SECTION 3/ 63 NOT IN DIRECTORY            |               |     |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 64 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 64 | RECORD NUMBER | 943 |
| SECTION 3/ 64 NOT IN DIRECTORY            |               |     |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT= 91 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT= 91 | RECORD NUMBER | 956 |
| SECTION 3/ 91 NOT IN DIRECTORY            |               |     |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=102 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=102 | RECORD NUMBER | 971 |
| SECTION 3/102 NOT IN DIRECTORY            |               |     |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=103 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=103 | RECORD NUMBER | 986 |
| SECTION 3/103 NOT IN DIRECTORY            |               |     |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=107 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=107 | RECORD NUMBER | 1003 |
| SECTION 3/107 NOT IN DIRECTORY            |               |      |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=600 | RECORD NUMBER | 1021 |
| SECTION 3/600 NOT IN DIRECTORY            |               |      |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=601 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=601 |                    |
| SECTION 3/601 NOT IN DIRECTORY            | RECORD NUMBER 1035 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=602 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=602 |                    |
| SECTION 3/602 NOT IN DIRECTORY            | RECORD NUMBER 1049 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=603 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=603 |                    |
| SECTION 3/603 NOT IN DIRECTORY            | RECORD NUMBER 1063 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=604 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=604 |                    |
| SECTION 3/604 NOT IN DIRECTORY            | RECORD NUMBER 1076 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=605 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=605 |                    |
| SECTION 3/605 NOT IN DIRECTORY            | RECORD NUMBER 1089 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=606 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=606 |                    |
| SECTION 3/606 NOT IN DIRECTORY            | RECORD NUMBER 1102 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=607 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=607 |                    |
| SECTION 3/607 NOT IN DIRECTORY            | RECORD NUMBER 1115 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=608 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=608 |                    |
| SECTION 3/608 NOT IN DIRECTORY            | RECORD NUMBER 1128 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=609 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=609 | RECORD NUMBER | 1141 |
| SECTION 3/609 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=610 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=610 | RECORD NUMBER | 1154 |
| SECTION 3/610 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=649 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=649 | RECORD NUMBER | 1167 |
| SECTION 3/649 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=800 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=800 | RECORD NUMBER | 1180 |
| SECTION 3/800 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=801 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=801 | RECORD NUMBER | 1198 |
| SECTION 3/801 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=802 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=802 | RECORD NUMBER | 1214 |
| SECTION 3/802 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=803 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=803 | RECORD NUMBER | 1230 |
| SECTION 3/803 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=804 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=804 | RECORD NUMBER | 1246 |
| SECTION 3/804 NOT IN DIRECTORY            |               |      |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=805 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=805 | RECORD NUMBER | 1262 |
| SECTION 3/805 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=806 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=806 | RECORD NUMBER | 1278 |
| SECTION 3/806 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=807 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=807 | RECORD NUMBER | 1293 |
| SECTION 3/807 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=808 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=808 | RECORD NUMBER | 1308 |
| SECTION 3/808 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=809 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=809 | RECORD NUMBER | 1323 |
| SECTION 3/809 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=810 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=810 | RECORD NUMBER | 1338 |
| SECTION 3/810 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 3, MT=849 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 3, MT=849 | RECORD NUMBER | 1353 |
| SECTION 3/849 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 2 (0): Directory (b)*
- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 2 | RECORD NUMBER | 1370 |
| SECTION 4/ 2 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 51 (0): Directory (b)*



- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 51 |                    |
| SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1505 |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 52 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 52 |                    |
| SECTION 4/ 52 NOT IN DIRECTORY            | RECORD NUMBER 1707 |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 53 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 53 |                    |
| SECTION 4/ 53 NOT IN DIRECTORY            | RECORD NUMBER 1770 |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 54 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 54 |                    |
| SECTION 4/ 54 NOT IN DIRECTORY            | RECORD NUMBER 1912 |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 55 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 55 |                    |
| SECTION 4/ 55 NOT IN DIRECTORY            | RECORD NUMBER 2074 |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 56 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 56 |                    |
| SECTION 4/ 56 NOT IN DIRECTORY            | RECORD NUMBER 2131 |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 57 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 57 |                    |
| SECTION 4/ 57 NOT IN DIRECTORY            | RECORD NUMBER 2190 |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 58 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 58 |                    |
| SECTION 4/ 58 NOT IN DIRECTORY            | RECORD NUMBER 2247 |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 59 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 59 | RECORD NUMBER | 2302 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 60 | RECORD NUMBER | 2357 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 61 | RECORD NUMBER | 2412 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 62 | RECORD NUMBER | 2467 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 63 | RECORD NUMBER | 2611 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT= 64 | RECORD NUMBER | 2755 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=600 | RECORD NUMBER | 2899 |
| SECTION 4/600 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=601 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=601 | RECORD NUMBER | 2960 |
| SECTION 4/601 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=602 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=602 |                    |
| SECTION 4/602 NOT IN DIRECTORY            | RECORD NUMBER 3021 |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=603 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=603 |                    |
| SECTION 4/603 NOT IN DIRECTORY            | RECORD NUMBER 3082 |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=604 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=604 |                    |
| SECTION 4/604 NOT IN DIRECTORY            | RECORD NUMBER 3143 |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=605 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=605 |                    |
| SECTION 4/605 NOT IN DIRECTORY            | RECORD NUMBER 3204 |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=606 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=606 |                    |
| SECTION 4/606 NOT IN DIRECTORY            | RECORD NUMBER 3265 |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=607 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=607 |                    |
| SECTION 4/607 NOT IN DIRECTORY            | RECORD NUMBER 3326 |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=608 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=608 |                    |
| SECTION 4/608 NOT IN DIRECTORY            | RECORD NUMBER 3387 |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=609 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5831, MF= 4, MT=609 |                    |
| SECTION 4/609 NOT IN DIRECTORY            | RECORD NUMBER 3448 |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=610 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=610 |                    |
|  | SECTION 4/610 NOT IN DIRECTORY            | RECORD NUMBER 3509 |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=800 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=800 |                    |
|  | SECTION 4/800 NOT IN DIRECTORY            | RECORD NUMBER 3570 |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=801 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=801 |                    |
|  | SECTION 4/801 NOT IN DIRECTORY            | RECORD NUMBER 3655 |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=802 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=802 |                    |
|  | SECTION 4/802 NOT IN DIRECTORY            | RECORD NUMBER 3740 |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=803 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=803 |                    |
|  | SECTION 4/803 NOT IN DIRECTORY            | RECORD NUMBER 3825 |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=804 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=804 |                    |
|  | SECTION 4/804 NOT IN DIRECTORY            | RECORD NUMBER 3910 |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=805 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=805 |                    |
|  | SECTION 4/805 NOT IN DIRECTORY            | RECORD NUMBER 3995 |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=806 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=806 |                    |
|  | SECTION 4/806 NOT IN DIRECTORY            | RECORD NUMBER 4080 |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=807 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=807 |                    |
|  | SECTION 4/807 NOT IN DIRECTORY            | RECORD NUMBER 4165 |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=808 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=808 |                    |
|  | SECTION 4/808 NOT IN DIRECTORY            | RECORD NUMBER 4250 |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=809 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=809 |                    |
|  | SECTION 4/809 NOT IN DIRECTORY            | RECORD NUMBER 4335 |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 4, MT=810 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 4, MT=810 |                    |
|  | SECTION 4/810 NOT IN DIRECTORY            | RECORD NUMBER 4420 |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 16 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 16 |                    |
|  | SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 4506 |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 17 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 17 |                    |
|  | SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 5302 |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 22 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 22 |                    |
|  | SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 5381 |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 24 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 24 |                    |
|  | SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 7645 |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 28 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 28 | RECORD NUMBER | 7858 |
| SECTION 6/ 28 NOT IN DIRECTORY            |               |      |
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 41 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 41 | RECORD NUMBER | 9101 |
| SECTION 6/ 41 NOT IN DIRECTORY            |               |      |
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT= 91 | RECORD NUMBER | 9179 |
| SECTION 6/ 91 NOT IN DIRECTORY            |               |      |
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT=102 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT=102 | RECORD NUMBER | 18218 |
| SECTION 6/102 NOT IN DIRECTORY            |               |       |
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT=649 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT=649 | RECORD NUMBER | 20007 |
| SECTION 6/649 NOT IN DIRECTORY            |               |       |
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF= 6, MT=849 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=5831, MF= 6, MT=849 | RECORD NUMBER | 21447 |
| SECTION 6/849 NOT IN DIRECTORY            |               |       |
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 51 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=5831, MF=12, MT= 51 | RECORD NUMBER | 23026 |
| SECTION 12/ 51 NOT IN DIRECTORY           |               |       |
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 52 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=5831, MF=12, MT= 52 | RECORD NUMBER | 23030 |
| SECTION 12/ 52 NOT IN DIRECTORY           |               |       |
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 53 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 23034
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 23038
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 23042
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 23046
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 23050
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 23054
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 23058
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 23062
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 61 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 23067
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 23071
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 63  
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 23075
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT= 64  
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 23079
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=601  
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 23083
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=602  
SECTION 12/602 NOT IN DIRECTORY RECORD NUMBER 23087
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=603  
SECTION 12/603 NOT IN DIRECTORY RECORD NUMBER 23091
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=604  
SECTION 12/604 NOT IN DIRECTORY RECORD NUMBER 23095
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=605 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=5831, MF=12, MT=605  
SECTION 12/605 NOT IN DIRECTORY RECORD NUMBER 23099
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=606  
SECTION 12/606 NOT IN DIRECTORY RECORD NUMBER 23103
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=607  
SECTION 12/607 NOT IN DIRECTORY RECORD NUMBER 23107
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=608  
SECTION 12/608 NOT IN DIRECTORY RECORD NUMBER 23112
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=609  
SECTION 12/609 NOT IN DIRECTORY RECORD NUMBER 23116
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=610  
SECTION 12/610 NOT IN DIRECTORY RECORD NUMBER 23121
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=801  
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 23125
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 23129
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=803 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=12, MT=803  
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 23133
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=804  
SECTION 12/804 NOT IN DIRECTORY RECORD NUMBER 23137
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=805  
SECTION 12/805 NOT IN DIRECTORY RECORD NUMBER 23141
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=806  
SECTION 12/806 NOT IN DIRECTORY RECORD NUMBER 23145
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=807  
SECTION 12/807 NOT IN DIRECTORY RECORD NUMBER 23150
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=808  
SECTION 12/808 NOT IN DIRECTORY RECORD NUMBER 23154
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=809 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=809  
SECTION 12/809 NOT IN DIRECTORY RECORD NUMBER 23158
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=12, MT=810 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=12, MT=810  
SECTION 12/810 NOT IN DIRECTORY RECORD NUMBER 23162
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 51 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 23168
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 23170
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 23172
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 23174
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 23176
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 23178
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 23180
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 23182
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 59 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 23184
144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 23186
145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 23188
146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 23190
147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 63  
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 23192
148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT= 64  
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 23194
149. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 23196
150. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 23198
151. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=603 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 23200
152. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 23202
153. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=605  
SECTION 14/605 NOT IN DIRECTORY RECORD NUMBER 23204
154. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=606  
SECTION 14/606 NOT IN DIRECTORY RECORD NUMBER 23206
155. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=607  
SECTION 14/607 NOT IN DIRECTORY RECORD NUMBER 23208
156. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=608  
SECTION 14/608 NOT IN DIRECTORY RECORD NUMBER 23210
157. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=609  
SECTION 14/609 NOT IN DIRECTORY RECORD NUMBER 23212
158. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=610  
SECTION 14/610 NOT IN DIRECTORY RECORD NUMBER 23214
159. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=801 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5831, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 23216
160. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 23218
161. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY RECORD NUMBER 23220
162. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=804  
SECTION 14/804 NOT IN DIRECTORY RECORD NUMBER 23222
163. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=805  
SECTION 14/805 NOT IN DIRECTORY RECORD NUMBER 23224
164. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=806  
SECTION 14/806 NOT IN DIRECTORY RECORD NUMBER 23226
165. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=807  
SECTION 14/807 NOT IN DIRECTORY RECORD NUMBER 23228
166. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5831, MF=14, MT=808  
SECTION 14/808 NOT IN DIRECTORY RECORD NUMBER 23230
167. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=809 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF=14, MT=809  
SECTION 14/809 NOT IN DIRECTORY

RECORD NUMBER 23232

168. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5831, MF=14, MT=810 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5831, MF=14, MT=810  
SECTION 14/810 NOT IN DIRECTORY

RECORD NUMBER 23234

• **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 138. L = 0 / STRENGTH FUNCTION IS 1.41866E-04 / STRENGTH FUNCTION 1.41866E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ISOTOPE MASS = 138. L = 0
STRENGTH FUNCTION IS 1.41866E-04
STRENGTH FUNCTION 1.41866E-04
... [1 more lines]
```

2. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04 / STRENGTH FUNCTION 1.20000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04
STRENGTH FUNCTION 1.20000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [47 more lines]
```

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.87715E+01 SHOULD BE 8.73882E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.87715E+01 SHOULD BE 8.73882E+01
```

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.87713E+01 SHOULD BE 8.73880E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.87713E+01 SHOULD BE 8.73880E+01
```

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.86450E+01 SHOULD BE 8.72763E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.86450E+01 SHOULD BE 8.72763E+01
```

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.85188E+01 SHOULD BE 8.71646E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.85188E+01 SHOULD BE 8.71646E+01
```

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.83926E+01 SHOULD BE 8.70529E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.83926E+01 SHOULD BE 8.70529E+01
```

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.82667E+01 SHOULD BE 8.69416E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.82667E+01 SHOULD BE 8.69416E+01
```

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.81409E+01 SHOULD BE 8.68303E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.81409E+01 SHOULD BE 8.68303E+01
```

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.80154E+01 SHOULD BE 8.67192E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.80154E+01 SHOULD BE 8.67192E+01
```



11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.78901E+01 SHOULD BE 8.66084E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.78901E+01 SHOULD BE 8.66084E+01
```

12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.77649E+01 SHOULD BE 8.64976E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.77649E+01 SHOULD BE 8.64976E+01
```

13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.76398E+01 SHOULD BE 8.63869E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.76398E+01 SHOULD BE 8.63869E+01
```

14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.75148E+01 SHOULD BE 8.62764E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.75148E+01 SHOULD BE 8.62764E+01
```

15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.73901E+01 SHOULD BE 8.61659E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.73901E+01 SHOULD BE 8.61659E+01
```

16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.72656E+01 SHOULD BE 8.60558E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.30000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.72656E+01 SHOULD BE 8.60558E+01
```

17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.71413E+01 SHOULD BE 8.59459E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.71413E+01 SHOULD BE 8.59459E+01
```

18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.70170E+01 SHOULD BE 8.58359E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.70170E+01 SHOULD BE 8.58359E+01
```

19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.68930E+01 SHOULD BE 8.57262E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.68930E+01 SHOULD BE 8.57262E+01
```

20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.67690E+01 SHOULD BE 8.56165E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.67690E+01 SHOULD BE 8.56165E+01
```

21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.66454E+01 SHOULD BE 8.55071E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.66454E+01 SHOULD BE 8.55071E+01
```

22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 9.65219E+01 SHOULD BE 8.53978E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 9.65219E+01 SHOULD BE 8.53978E+01
```

23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / TOTAL OF 48 POINTS IN ERROR FOR THIS J-STATE  
(0): URR dens. (b)*

```
FILE 2
SECTION 151
TOTAL OF      48 POINTS IN ERROR FOR THIS J-STATE
TOTAL OF      48 POINTS IN ERROR FOR THIS J-STATE
```

24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS  
1.50000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04 /  
DENSITY 8.07555E+01 SHOULD BE 6.58477E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.07555E+01 SHOULD BE 6.58477E+01
```

25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS  
1.50000E-04 / DENSITY 8.07553E+01 SHOULD BE 6.58476E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.07553E+01 SHOULD BE 6.58476E+01
```

26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS  
1.50000E-04 / DENSITY 8.06520E+01 SHOULD BE 6.57633E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.06520E+01 SHOULD BE 6.57633E+01
```

27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS  
1.50000E-04 / DENSITY 8.05488E+01 SHOULD BE 6.56792E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.05488E+01 SHOULD BE 6.56792E+01
```

28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS  
1.50000E-04 / DENSITY 8.04456E+01 SHOULD BE 6.55950E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.04456E+01 SHOULD BE 6.55950E+01
```

29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.03427E+01 SHOULD BE 6.55111E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.03427E+01 SHOULD BE 6.55111E+01
```

30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.02399E+01 SHOULD BE 6.54273E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.02399E+01 SHOULD BE 6.54273E+01
```

31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.01373E+01 SHOULD BE 6.53436E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.01373E+01 SHOULD BE 6.53436E+01
```

32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.00349E+01 SHOULD BE 6.52601E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 8.00349E+01 SHOULD BE 6.52601E+01
```

33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.99324E+01 SHOULD BE 6.51766E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.99324E+01 SHOULD BE 6.51766E+01
```

34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.98302E+01 SHOULD BE 6.50932E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.98302E+01 SHOULD BE 6.50932E+01
```

35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.97280E+01 SHOULD BE 6.50099E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.10000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.97280E+01 SHOULD BE 6.50099E+01
```

36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.96260E+01 SHOULD BE 6.49267E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.96260E+01 SHOULD BE 6.49267E+01
```

37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.95242E+01 SHOULD BE 6.48437E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.30000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.95242E+01 SHOULD BE 6.48437E+01
```

38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.94226E+01 SHOULD BE 6.47609E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.94226E+01 SHOULD BE 6.47609E+01
```

39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.93210E+01 SHOULD BE 6.46780E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.93210E+01 SHOULD BE 6.46780E+01
```

40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.92196E+01 SHOULD BE 6.45954E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.92196E+01 SHOULD BE 6.45954E+01
```

41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.91182E+01 SHOULD BE 6.45127E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.91182E+01 SHOULD BE 6.45127E+01
```

42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.90171E+01 SHOULD BE 6.44302E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.90171E+01 SHOULD BE 6.44302E+01
```

43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 7.89162E+01 SHOULD BE 6.43479E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.50000E-04
DENSITY 7.89162E+01 SHOULD BE 6.43479E+01
```

44. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 107 / THE CALCULATED Q 5.93485E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q*

```
FILE 3
SECTION 107
THE CALCULATED Q 5.93485E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00
```

- **groupie** Errors:

1. Very small elastic cross section found  
*0: Small elastic*

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

-----

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!  
*resonances / resolved (Error # 1): potentialScatteringNotConverged*

WARNING: Potential scattering hasn't converged by L=0 at E=999.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 2.41%

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 16: n[multiplicity:'2'] + Ce137 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -10335219.0085907 eV vs -9.74e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 17: n[multiplicity:'3'] + Ce136 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -17851741.9239502 eV vs -1.7221e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 18: n + H1 + La137 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7673291.981811523 eV vs -7.736e6 eV!

4. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 18: n + H1 + La137 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV

... plus 7 more instances of this message

5. Calculated and tabulated Q values disagree.  
*reaction label 19: H1 + La138 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -156769.0665130615 eV vs -2.63e5 eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 20: H1 + La138\_e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -229339.0665130615 eV vs -335570. eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 21: H1 + La138\_e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -272939.0665130615 eV vs -379170. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 22: H1 + La138\_e3 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -317949.0665130615 eV vs -424180. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 23: H1 + La138\_e4 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -348959.0665130615 eV vs -455190. eV!
10. Calculated and tabulated Q values disagree.  
*reaction label 24: H1 + La138\_e5 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -387179.0665130615 eV vs -493410. eV!
11. Calculated and tabulated Q values disagree.  
*reaction label 25: H1 + La138\_e6 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -449749.0665130615 eV vs -555980. eV!
12. Calculated and tabulated Q values disagree.  
*reaction label 26: H1 + La138\_e7 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -570079.0665130615 eV vs -676310. eV!
13. Calculated and tabulated Q values disagree.  
*reaction label 27: H1 + La138\_e8 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -636109.0665130615 eV vs -742340. eV!
14. Calculated and tabulated Q values disagree.  
*reaction label 28: H1 + La138\_e9 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -667219.0665130615 eV vs -773450. eV!
15. Calculated and tabulated Q values disagree.  
*reaction label 29: H1 + La138\_e10 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -675449.0665130615 eV vs -781680. eV!
16. Calculated and tabulated Q values disagree.  
*reaction label 30: H1 + (La138\_c -> La138 + gamma) (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -675449.0665130615 eV vs -781680. eV!
17. Calculated and tabulated Q values disagree.  
*reaction label 31: He4 + Ba135 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5432891.076766968 eV vs 5.928e6 eV!
18. Calculated and tabulated Q values disagree.  
*reaction label 32: He4 + Ba135\_e1 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5211941.076766968 eV vs 5707050. eV!
19. Calculated and tabulated Q values disagree.  
*reaction label 33: He4 + Ba135\_e2 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5164671.076766968 eV vs 5659780. eV!



20. Calculated and tabulated Q values disagree.  
*reaction label 34: He4 + Ba135\_e3 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4952371.076766968 eV vs 5447480. eV!
21. Calculated and tabulated Q values disagree.  
*reaction label 35: He4 + Ba135\_e4 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4845071.076766968 eV vs 5340180. eV!
22. Calculated and tabulated Q values disagree.  
*reaction label 36: He4 + Ba135\_e5 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4715891.076766968 eV vs 5.211e6 eV!
23. Calculated and tabulated Q values disagree.  
*reaction label 37: He4 + Ba135\_e6 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4577891.076766968 eV vs 5.073e6 eV!
24. Calculated and tabulated Q values disagree.  
*reaction label 38: He4 + Ba135\_e7 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4558381.076766968 eV vs 5053490. eV!
25. Calculated and tabulated Q values disagree.  
*reaction label 39: He4 + Ba135\_e8 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4522541.076766968 eV vs 5017650. eV!
26. Calculated and tabulated Q values disagree.  
*reaction label 40: He4 + Ba135\_e9 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4500641.076766968 eV vs 4995750. eV!
27. Calculated and tabulated Q values disagree.  
*reaction label 41: He4 + Ba135\_e10 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4452921.076766968 eV vs 4948030. eV!
28. Calculated and tabulated Q values disagree.  
*reaction label 42: He4 + (Ba135\_c ->Ba135 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4452921.076766968 eV vs 4948030. eV!
29. Calculated and tabulated Q values disagree.  
*reaction label 43: Ce139 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 7161521.500976562 eV vs 7.455e6 eV!
30. Calculated and tabulated Q values disagree.  
*reaction label 44: n + He4 + Ba134 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1144066.474121094 eV vs -1.044e6 eV!

31. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 44: n + He4 + Ba134 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
 ... plus 9 more instances of this message

32. Calculated and tabulated Q values disagree.  
*reaction label 45: n[multiplicity:'2'] + He4 + Ba133 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -10539720.11831665 eV vs -1.0512e7 eV!

33. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 45: n[multiplicity:'2'] + He4 + Ba133 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.77e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

34. Calculated and tabulated Q values disagree.  
*reaction label 46: n[multiplicity:'2'] + H1 + La136 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -17068945.62600708 eV vs -1.6912e7 eV!

35. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 46: n[multiplicity:'2'] + H1 + La136 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

36. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

37. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

• njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 58139  
photon momentum recoil used.